

### **Abstract of the Disclosure**

A multimedia data distribution system comprises a distribution system adapted to distribute and deliver Asynchronous Transfer Mode signals to the level of an individual home network bus, a micro-PBX connected to the distribution system and to the home network bus; and a converter connected to the home network bus and having an outlet adapted for connecting to conventional single media and multimedia electronic devices, such as telephones, personal computers, fax machines, television sets, and the like. The micro-PBX is adapted to translate between the public network data protocol and a Local Area data protocol on the home network bus, and to manage the home network bus as a carrier Sense Multiple Access/Collision Detect (CSMA/CD) type bus, and the converter is adapted to convert signals on the home network bus to a form required by one of the single media and multimedia electronic devices.

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